

SMEJKAL, F.; GUT, J.; SORM, F.

The effect of N-methyl-, Thio-, and methylmercaptoderivatives of 6-azauracil on vaccinia virus in vitro. Acta virol. (Praha)[Eng] 6 no.4:364-371 J1 '62.

1. Research Institute of Antibiotics, Roztoky near Prague, and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

(URACIL related cpds) (VACCINIA virology)

ALEXIEV, B.; HOLEYSOVSKY, V.; SORM, F.

On the structure of some peptides separated from the trypsin hydrolyzate of S-sulphotrypsinogen. Doklady BAN 15 no.7: 755-758 '62.

1. Institut für Organische Chemie and Biochemie an der Tschechoslowakischen Akademie der Wissenschaften, Prag. Vorgelegt von Akademiemitglied D. Ivanóff [Ivanov, D.].

- 24

LAHEL, F.; SOHM, F.

Structural analogy and sequential isomerism as architectural principles of ribonuclease. Coll Cz Chem 27 no.2:469-471 F '62.

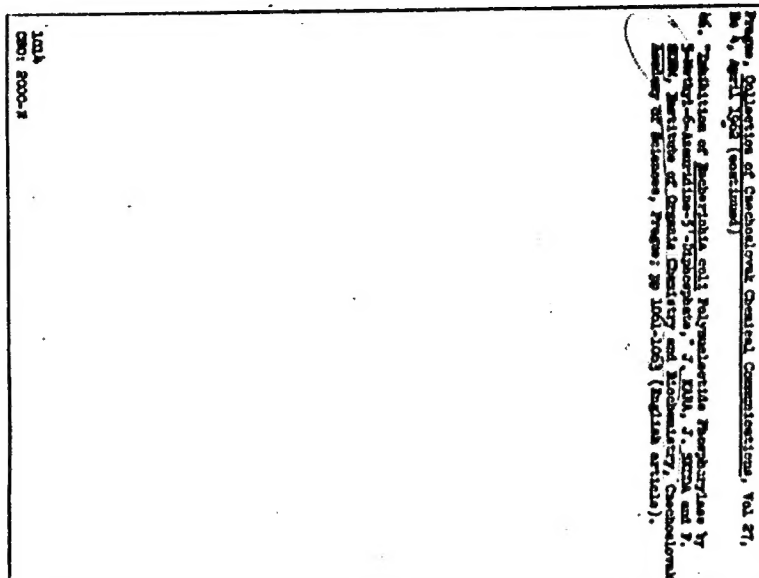
1. Department of Microbiology, Emory University, Atlanta, Georgia (U. S.A.) and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

FORM 7

9. "Separation Methods for Natural Products. Part II. Natural Dyes, Carotenoids, and Steroids (Isolation, Purification, and Identification)." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
10. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
11. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
12. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
13. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
14. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
15. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
16. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).
17. "Synthesis of Steroids in the Group of Steroid Hormones." *Journal of Natural Products*, Vol. 27, No. 4, April 1962 (Russian).

(36)

BORN, F.



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NOVOTNY, L.; JIZBA, J.; HEROUT, V.; SORM, F.

Plant substances. Part 16: The constituents of coltsfoot
rhizomes (*Petasites officinalis* Moench). Coll Cz Chem 27
no.6:1393-1399 Je '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

NOVOTNY, L.; HEROUT, V.; SORM, F.

Plant substances. Part 17: Constituents of Petasites
albus (L) Gaertn. rhizomes. Coll Cz Chem 27 no.6:1400-1403
Je '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

CERNA, J.; GRUNBERGER, D.; SORM, F.

Incorporation of ^{14}C -amino acids in the nucleotide-peptides of *Escherichia coli* and isolation of uridine nucleotide containing peptidic and acetylglucosamine components. Coll Cz Chem 27 no.6:1422-1427 Jo '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

ZEMLICKA, J.; SMRT, J.; SOCH, F.

Nucleic acid components and their analogues. Part 19:
Synthesis of 3-methyl-6-azauridine-5'-phosphate and -pyrophosphate.
Coll Cz Chem 27 no.6:1462-1469 Je '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

DOSKOCIL, J.; SORM, F.

Enzymic degradation of deoxyribonucleic acid. Part 2:
Sequence specificity of DNase II from the calf spleen.
Coll Cz Chem 27 no.6:1476-1486 Je '62.

1. Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague.

PRYSTAS, M.; GUT, J.; SONI, F.

Nucleic acid components and their analogues. Part 21: Synthesis of 3-methyl-6-azauridine. Structure proof and general approach to the synthesis of 6-azauridines. Coll Cz Chem 27 no.7:1572-1577 JI '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

PRYSTAS, M.; SORM, F.

Nucleic acid components and their analogues. Part 22: Synthesis of 6-azauridine and 5-methyl-6-azauridine. Coll Cz Chem 27 no.7:1578-1584 J1 '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

SORM, F.

On proteins. Part 72: The relationship between the structure of certain peptide hormones and the primary structure of haeme proteins. Coll Cz Chem 27 no.7:1604-1607 JI '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

KEIL, B.; SORM, F.

On proteins. Part 73: Desulfuration of sulfur containing
amino acids in peptides. Coll Cz Chem 27 no.7:1673-1677
Jl '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

KEIL, B.; ZIKAN, J.; REXOVA, L.; SORM, F....

On proteins. Part 74: Hydrogenation of aromatic amino acids in peptides. Coll Cz Chem 27 no.7:1678-1686 J1 '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague (for Keil and Sorm). 2. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague (for Zikan). 3. Institute of Chemistry, Slovak Academy of Sciences, Bratislava (for Rexova).

SKODA, J.; KARA, J.; CIHAK, A.; SORM, F.

Formation of the ribonucleoside of 5-azauracil by *Escherichia coli* and isolation of ribosyl biuret as the main decomposition product of 5-azauridine. Coll Cz Chem 27 no.7:1692-1694 J1 '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

SKODA, J.; CIHAK, A.; GUT, J.; PRYSTAS, M.; PISKALA, A.;
PARKANYI, C.; SORM, F.

Nucleic acid components and their analogues. Part 23:
Inhibition of growth of *Escherichia coli* by derivatives of
pyrimidine, 5-azauracil, 6-azauracil and some simpler
models of these derivatives. Coll Cz Chem 27 no.7:1736-1743
Jl '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague. 2. Institute of Physical Chemistry,
Czechoslovak Academy of Sciences, Prague (for Parkanyi).

FAJKOS, J.; JOSKA, J.; SORM, F.

On steroids. Part 68 : Synthesis of the epimeric 15,16-epoxides in the androstane series. Coll Cz Chem 27 no.8:1856-1860 Ag '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

SUCHY, M.; HEROUT, V.; SORM, F.

On terpenes. Part 139 : Isolation and structure of scablolide, another sesquiterpenic lactone with a ten-membered ring in molecule. Coll Cs Chem 27 no.8:1905-1913 Ag '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

CHOW, W.Z.; MOTL, O.; SORM, F.

On terpenes. Part 140 : Composition of the oil from *Atractylodes lancea* Thunb. The structure of hinesol. Coll Cz Chem 27 no.8:1914-1926 Ag '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague. 2. On leave of absence from the Institute of Organic Chemistry, Academia Sinica, Shanghai (for Chow).

MIKES, O.; HOLEYSOVSKY, V.; TOMASEK, V.; KEIL, B.; SORM, F.

On proteins. Part 76 : Structure of peptides isolated from a tryptic digest of diisopropylphosphoryl-trypsin. Coll Cz Chem 27 no.8:1964-1987 Ag '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

SORM, F.; KNICHAL, V.

On proteins. Part 77 : Mathematical approach to the evaluation of similarities in protein structures. Coll Cz Chem 27 no.8:1988-1996 Ag '62.

1. Institute of Organic Chemistry and Biochemistry and Mathematical Institute, Czechoslovak Academy of Sciences, Prague.

SUCHY, M.; HEROUT, V.; SORM, F.

On terpenes. Part 141: Absolute configuration of cnicin and scabiolide.
Coll Cz chem 27 no.10:2398-2403 0 '62.

1. Institut of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

SORM, F.

CZECHOSLOVAKIA

RYCHLEK, I.

no academic degree indicated

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of
Science, Prague.

Prague, Collection of Czechoslovak Chemical Communications, vol 27, No 10,
Oct 62, pp 2433-2443.

"Formation of the α - and β -Chain of Rabbit Hemoglobin"

Co-author:

SORM, F., same as above

KREPINSKY, J.; ROMANUK, M.; HEROUT, V.; SORM, F.

On terpenes. Part 142: Structure of the sesquiterpenic ketone
valeranone. Coll Cz Chem 27 no.11:2638-2653 N '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

HOLEYSOVSKY, V.; ALEXIJEV, B.; TOMASEK, V.; MIKES, O.; SORM, F.

On proteins. Part 78: Peptides isolated from the soluble amount of tryptic digest of S-sulfotrypsinogen. Coll Cz Chem 27 no.11:2662-2680 N '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague. 2. Present address: Institute of Chemical Technology, Sofia (for Alexijev).

RYCHLIK, I.; SORM, F.

Replacement of amino acids in proteins and ribonucleic acid
coding. Coll Cz Chem 27 no.11:2686-2691 N '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

VRKOC, J.; HEROUT, V.; SORM, F.

On terpenes. Part 143: Cryptoacorone, a new stereoisomer of acorone. Coll Cs Chem 27 no.11:2709-2710 N '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

HORA, J.; CERNY, V.; SORM, F.

On steroids. Part 70: Cyclopropane ring formation in deamination
of 18-amino steroids. Coll Cz Chem 27 no.12:2771-2777 D '62.

1. Institut of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

KASAL, A.; CERNY, V.; SORM, F.

On steroids. Part 71: Mercury acetate dehydrogenation of conanine derivatives. Preparation of 3-substituted lactams derived from 18-methylamino-5 α -etianoic acid. Coll Cz Chem 27 no.12:2898-2906 D '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

KEIL, B.; PRUSIK, Z.; MORAVEK, L.; SORM, F.

On proteins. Part 81: The disulfide bonds of α -chymotrypsinogen and peptides from its peptic hydrolysate. Coll Cz Chem 27 no.12: 2945-2955 D '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

RYCHLIK, I.; KALOUSEK, F.; SORM, F.

Nucleotide analogues and protein synthesis in vitro. Coll Cz Chem
27 no.12:2956-2965 D '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

S/026/62/000/002/001/004
D036/D113

AUTHOR: Šorm, Fr., Academician (Prague)

TITLE: Proteins, their structure and functions

PERIODICAL: Priroda, no. 2, 1962, 11-18

TEXT: The structure and functions of proteins are reviewed. Scientists in Prague first formulated the proposition that the structure of proteins reflected phylogenetic development. The successful synthesis of hypophysial hormones such as oxytocin and vasopressin is mentioned. In Prague an analogue of vasopressin, in which the effect on the blood pressure was reduced by preserving the antidiuretic effect, was synthesized. In this analogue the hydroxyl group in the tyrosine radical was replaced by a methoxyl group. Synthesis of proteins will lead to superior types of artificial fibers and plastics, artificial enzymes for the chemical and food industries and more stable artificial enzymes for the economical production of raw foodstuffs. In conclusion, it is stated that the main goal is to further develop individual

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species and adapt them in order to utilize their useful characteristics; for example, it may be possible in the future to create artificial self-reproducing systems based on other complex polymers simpler than proteins and acids. It is stated that in conditions different from those in which present forms of life exist. Engels is mentioned as having first recognized the significance of proteins in living matter, and the Russian botanist M.S.Tsvet is stated to have proposed the so-called chromatographic methods of establishing the order of the amino-acids in the peptide chains of simple proteins. There is 1 figure and 3 tables.

Card 2/2

KOZESNIK, Jaroslav, akademik; BLASKOVIC, Dionyz, akademik; KOJMAN, Arnost, akademik; MACURA, Jiri, dr.; VANA, Josef; GOSIOROVSKY, Milos; BOHM, Jaroslav, akademik; PROCHAZKA, Jaroslav, prof., dr.; HAMPEJS, Zdenek, dr.; BRAHEC, Frantisek, prof, inz., dr.; SORM, Frantisek, akademik; NOVAK, Josef, akademik; NEUMANN, Jaromir, doc., dr.; BAZANT, Vladimir, inz., dr.; KOUNOVSKY, Bohumil, dr.; SZANTO, Jan, dr.; ROZSIVAL, Miroslav, dr.; KASPAR, Jan, dr.; HANKA, Ladislav, prof., inz.; STRNAD, Julius; WICHTERLE, Otto, akademik; ZATOPEK, Alois; JAVORNICKY, Jan, inz.; VAVRA, Jaroslav, dr.; BLATTNY, Ctibor, akademik; ONDRIS, Karol, dr.; KUKAL, Vaclav, inz.

The 22d Congress of the Communist Party of the Soviet Union and the tasks of Czechoslovak science; discussion. Vestnik CSAV 71 no.1:3-59 '62.

1. Hlavní vedecký sekretar Československé akademie věd (for Kozesnik).
2. Člen korespondent Československé akademie věd (for Vana, Gosiorovsky, Kaspar, Strnad, Zatopek).
3. Rektor Karlovy university (for Prochazka).
4. Rektor České vysoké školy technické (for Brabec).
5. Namestek presidenta Československé akademie věd (for Sorm)

RADA, B.; BLASKOVIC, D.; GUT, J.; SORM, F.

Screening of antimetabolites inhibiting virus multiplication. I.
Inhibition of virus multiplication by acetylurea derivatives. Acta
virol. 7 no.2:152-155 Mr '63.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava,
and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy
of Sciences, Prague.
(VACCINIA VIRUS) (NEWCASTLE DISEASE VIRUS) (ENCEPHALITIS VIRUSES)
(VIRUS CULTIVATION) (ANTIVIRAL AGENTS) (UREA)
(TISSUE CULTURE) (ANTIMETABOLITES)

SORM, F.; VESELY, J.

The immunization of leukaemic AK mice with isologous leukaemic cells incubated in 5-bis-(2-chloroethyl) aminomethyluracil. Neoplasma 10 no.3:217-220 '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague, CSSR.

(LEUKEMIA, EXPERIMENTAL)

(NEOPLASM IMMUNOLOGY)

(ANTINEOPLASTIC AGENTS)

(PHARMACOLOGY)

SORM, Frantisek, prof. dr.

Syntheses of certain antimetabolites of nucleic acids.
Wiad chem 17 no.11:613-630 N'63.

1. Prezes Czechoslowackiej Akademii Nauk, Praga

SMRT, J.; SORM, F.

Oligonucleotidic compounds. Pt.3. Coll Cz Chem 28 no.1:61-71 Ja '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

JOSKA, J.; FAJKOS, J.; SOBI, F.

CSSR

no academic degrees indicated

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy
of Science, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 1, 1963,
pp 82-100.

"On Steroids, LXXII. Fission of the 5 α ,6 α -Epoxyderivatives in the
B-Norsteroid Series"

(3)

ZELIČKA, J.; ŠLRT, J.; SORM, F.

CSSR

no academic degrees indicated

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of
Science, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No. 1, 1963,

"Nucleic Acids Components and Their Analogues. XXVII.
The Synthesis of 6-Azuaridine-5' Triphosphate"

(3)

KASAL, A.; CERNY, V.; SORM, F.

On steroids. Pt.73. Coll Cz Chem 28 no.2:411-420 F '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

BERANEK, J.; SORM, F.

Nucleic acid components and their analogues. Pt.29.
Coll Cz Chem 28 no.2:469-480 F '63.

1. Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague.

PLIML, J.; SORM, F.

Nucleic acid components and their analogues. Pt.28.
Coll Cz Chem 28 no.2:546-550 F '63.

1. Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague.

FAJKOS, J.; JOSKA, J.; SORM, F.

On steroids. Pts. 74-75. Coll Cz Chem 28 no.3:605-628 Mr '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

ZAORAL, M.; PLISKA, V.; REZABEK, K.; SORN, F.

Synthesis of a highly effective analog of lysine-vasopressin.
Coll Cz Chem 28 no.3:746-747 Mr '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague, and Research Institute for Pharmacy
and Biochemistry, Prague.

ZAORAL, M.; PLISKA, V.; REZABEK, K.; SORM, F.

Synthesis of two lysine-vasopressin analog with protracted hormonal activity. Coll Cs Chem 28 no.3:747-749 Mr '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague, and Research Institute for Pharmacy and Biochemistry, Prague.

FARKAS, J.; SORM, F.

Nucleic acid components and their analogs. Pt. 30. Coll Cz
Chem 28 no.4:882-886 Ap '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

SMRT, J; ŠORM, F.

Czechoslovakia

Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Science -- Prague (for
all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 4, 1963, pp 887-897

"Oligonucleotidic Compounds. IV. Preparation of Diribonucleo-
tides Uridyl-(5' to 3')-Uridine-5' Phosphate,
6-~~A~~ Azauridyl-(5' to 3')-Uridine-5' Phosphate and
Uridyl-(5' to 3')-Cytidine-5' Phosphate."

2

GRÜNBERGER, D; ŠORM, F.

Czechoslovakia

Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Science -- Prague - (for all)
Prague, ^{Vol. 98} Collection of Czechoslovak Chemical Communications,
No 4, 1963, pp 1044-1050

"Relationship between 8-Azaguanine-containing Ribonucleic
Acid and Protein Synthesis in Bacillus cereus."

2

VRKOC, J.; HEROUT, V.; SORM, F.

On terpenes. Pt. 149. Coll Cz Chem 28 no.4:1084-1086 Ap '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

CERNA, J.; RYCHLIK, I.; GRUNBERGER, D.; SORM, F.

Effect of 5-fluorouracil-containing ribonucleic acid on
protein synthesis by *Escherichia coli* in vivo. Coll Cz
Chem 28 no. 5: 1215-1223 My '63.

1. Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague.

2

CZECHOSLOVAKIA

WOLLRAB, V; STREIBL, M; SOROKA, P.

Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Science, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 5, 1963, pp 1316-1324

"On the Composition of Lignite IV. On the Group
Separation of the Wax Portion of Montan Wax with
the Help of Chromatography."

KARA, J.; SORM, F.

Study of the substrate specificity of deoxynucleoside phosphokinases. Coll Cz Chem 28 no.6:1441-1448 Je '63.

1. Institute of Organic Chemistry and Biochemistry,
Czechoslovak Academy of Sciences, Prague.

DOLEJS, L.; HANUS, V.; CERNY, V.; SORM, F.

On steroids. Pt. 78. Coll Cz Chem 28 no.6:1584-1592
Je '63.

1. Institute of Organic Chemistry and Biochemistry and
Institute of Physical Chemistry, Czechoslovak Academy
of Sciences, Prague.

SUCHY, M.; HEROUT, V.; SORM, F.

On terpenes, Pt. 153. Coll Cz Chem 28 no.6:1618-1620
Je '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

PARKAS, J.; SOMM, F.

Synthesis of 5-bis-(β -chlorethyl) aminomethyluridine.
Coll Cz Chem 28 no.6:1620-1622 Je '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

JOST, K.; PUDINGER, J.; SOHN, F.

Amino acids and peptides. Pt.38. Coll Cz Chem 28 no.7:1706-
1714 J1 '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

SUCHY, M.; HEROUT, V.; SORM, F.

On Terpenes. Pt. 154 Coll Cz Chem 28 no.7:1715-1719 J1 '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague.

MIKES, C.; TURKOVA, J.; SORM, F.

Chemical composition of the antibiotic albomycin. Pt.5. Coll
Cz Chem 28 no.7:1747-1761 J1 '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences.

WOLLRAB, V.; STREIBL, M.; SORM, F.

On composition of lignite. Pts. 5-6. Coll Cz Chem 28 no.7:
1895-1913 J1 '63.

1. Institut fur organische Chemie und Biochemie, Tschechoslo-
wakische Akademie der Wissenschaften, Prag.

CIHAK, A.; SKOLA, J.; SORM, F.

Accumulation of free amino acids in the medium of *Escherichia coli* under the influence of 5-azauracil. Coll Cz Chem 28 no.7: 1920-1924 J1 '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

CZECHOSLOVAKIA

JOST, K; RUDINGER, J; SOMI, F.

Institute of Organic Chemistry and Biochemistry of the
Czechoslovak Academy of Sciences, Prague (for
all)

Prague, Collection of Czechoslovak Chemical Communications,
No 8, 1963, pp 2021-2029

"Amino Acids and Peptides. XXXIX. Analogues of
Oxytocin Exerting Protracted Biological Effects."

CZECHOSLOVAKIA

SUCHY, M; HEROUT, V; SORM, F.

Institute of Organic Chemistry and Biochemistry of the
Czechoslovak Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,
Vol 8, 1963, pp 2257-2260

"On Terpenes. CLV. Structure of Damsine, a Sesquiterpenic
Lactone from *Ambrosia maritima* L."

JAROLIM, V.; HEJNO, K.; SORM, F.

On the composition of lignite. Pts. 7-8. Coll Cz Chem
28 no.9:2318-2327, 2443-2454 S '63.

1. Institut für organische Chemie und Biochemie, Tschechoslowakische
Akademie der Wissenschaften, Prag.

3

CZECHOSLOVAKIA

PAJKOS, J; JOSKA, J; PITHA, J; SORM, F.

Institute of Organic Chemistry and Biochemistry of the Czechoslovak Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 9, 1963, pp 2337-2343

"On Steroids. LXXX. Intramolecular Hydrogen Bonding in
3,6-Disubstituted 5-Beta-B-Norsteroids: Conformation
of Ring A."

CZECHOSLOVAKIA

LABLER, L; SORM, F.

Institute of Organic Chemistry and Biochemistry of the Czechoslovak Academy of Sciences, Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 9, 1963, pp 2345-2355

"On Steroids. LXXXI. The X Structure of Concuressine and
of x Some Less Polar Alkaloids from Holarrhena antidysenterica
Wall."

CZECHOSLOVAKIA

SMRT, J; SORM, F.

Institute of Organic Chemistry and Biochemistry of the
Czechoslovak Academy of Sciences, Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 9, 1963, pp 2415-2431

"Oligonucleotidic Compounds. VI. Synthesis of Uridyl-
(3'→5')-Uridine-3' Phosphate, Uridyl-(3'→5')-Cytidine-
3' Phosphate, Cytidyl-(3→5)-Uridine-3' Phosphate,
Cytidyl-(3→5)-Cytidine-3' Phosphate and Related
Compounds."

2

CZECHOSLOVAKIA

JAROLIM, V; HEJNO, K; SOHM, F.

Institute of Organic Chemistry and Biochemistry of the
Czechoslovak Academy of Sciences (Institut für organische
Chemie und Biochemie, Tschechoslowakische Akademie der
Wissenschaften), Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 9, 1963, pp 2443-2453

"On the Composition of Brown Coal. VIII. Structure of
Some Triterpenic Combinations Isolated from Mineral Wax."

CZECHOSLOVAKIA

PARKANYI, C; SORM, F.

Institute of Organic Chemistry and Biochemistry of the
Czechoslovak Academy of Sciences, Prague(for both)

Prague, Collection of Czechoslovak Chemical ~~Research~~ Communications,
No 9, 1963, pp 2491-2499

"Nucleic Acid Components and Their Analogues. XXXVI.
The Synthesis of Deuterated Uracil and Thymine."

CZECHOSLOVAKIA

MELOUN, B; KOSTKA, V; KEIL, B; SOKOL, F.

Institute of Organic Chemistry and Biochemistry of the
Czechoslovak Academy of Sciences, (Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 10, 1963, pp 1749-2777

"On Proteins. LXXXIII. Peptides Isolated from the Peptic
Digest of the Part of a Tryptic Hydrolysate of S-
Sulpho-Chymotrypsinogen Insoluble in Acid Environment."

(4)

PLMEL, J.; PRYSTAS, P.; SOCH, F.

Nucleic acid components and their analogs. Pts.39-40.
Coll Cz Chem 28 no.10:2588-2604 O '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences. Prague.

CILAK, A.; SKODA, J.; SOROKA, F.

Studies of the mechanism of the cumulation of valine in the medium of *Escheria coli* in the presence of different types of growth inhibitors. Coll Cz Chem 28 no.10:2657-2666 O '63.

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